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OIL SEAL MECHANISM OF BEARING SECTION

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ABSTRACT

PURPOSE: To mount and demount the titled mechanism easily, and to improve durability by forming a groove section to one side surface of an oil seal member and a trough to the other side surface while setting up a lip section at the inside diameter side and an elastic ring member at the outside diameter side.

CONSTITUTION: The shaft section 10a of a roll 10 is supported by a bearing 12 in a bearing housing 11, and the oil seal members 1 are symmetrically disposed at the both sides of the bearing 12. In this case, the groove sections 2 indented extending over the half or more of the width of said sealing members 1 are formed to one side surfaces of the members 1, and the trough sections 8 are oppositely shaped at both sides of the deep section of the groove section 2 in the other side surfaces. The stepped lip sections 5, intermediate sections thereof have concave sections 6, and the lip sections 7 for sealing dust are disposed at the inside diameter sides of the sealing members 1. Contact surfaces 4 joined into the bearing housing 11 are formed at the outside diameter sides, and the elastic ring members 3 are buried while notch sections, diameters thereof can be reduced, are shaped to the members 3.

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